

# CS-535 CD Receiver System

**SILVER** **BLACK**


(iPod not included)

WRAT WIDE RANGE AMP TECHNOLOGY | VLSC | USB | MP3 | RDS | OMF ONKYO MICRO FIBER CLOUTING | RI | Made for iPod

## Quality Compact Audio with USB and iPod Connectivity

When it comes to mini systems, Onkyo has earned a reputation over the years for class-leading quality. That reputation is further boosted by the CS-535, a system that delivers an audio performance belying its compact size. Much of the credit can go to the proprietary Onkyo technologies driving the system. At the digital conversion stage, VLSC™ (Vector Linear Shaping Circuitry) works to remove noise from the audio signal. And at the amplification stage, WRAT (Wide Range Amplifier Technology) provides the foundation for a genuinely musical listening experience. As well as handling most music CD formats, the CS-535 offers superb connectivity options. A front-panel USB port lets you connect mass storage devices such as flash memory sticks and MP3 players, while the included Onkyo Dock for the iPod lets you hook up and recharge your iPod.

### Amplification Design Built Around the Onkyo Sound

Due to their obvious size limitations, mini audio systems present a range of challenges in terms of amplification design. To overcome these limitations, Onkyo's engineers incorporated into the compact CS-535 the same technology that's used in our renowned full-sized amplifiers and receivers: Wide Range Amplifier Technology. WRAT gives the CS-535 three distinct advantages: A wider frequency response compared to rival mini audio systems; reduced amplifier distortion at high volume; and better control of current and electrical/mechanical kick-back from the speakers. This enables the CS-535 to deliver audio of surprisingly high quality for such a compact component.

### VLSC (Vector Linear Shaping Circuitry) and Optimum Gain Volume Circuitry to Maintain Clean Audio Signals

The CS-535 employs VLSC to extract a noise-free analog signal from digital music sources. This technology works to effectively remove pulse noise during the digital-to-analog conversion process, thereby maintaining the purity of the signal. Employed in Onkyo's A/V receivers and playback components, VLSC ensures you get the best possible audio output from CDs and compressed formats such as MP3.

Under conventional volume attenuation methods that don't involve adjusting the gain, the audio signal drops close to the noise floor at low volumes. This taints the signal with noise that becomes noticeable as the signal is amplified. To prevent such noise from adversely affecting the audio signal, the CS-535 employs Onkyo's Optimum Gain Volume Circuitry. This circuitry performs continual gain adjustments that reduce attenuation by 50%, so the signal never comes close to the noise floor.

### Front Panel USB Interface for Audio Playback from Mass Storage Devices

With the CS-535's front-panel port for a USB mass storage device, you can access MP3 and WMA files from USB flash drives (e.g. memory sticks) or from portable audio players that support the USB Mass Storage Class standard. Once your device is connected, you can use the CS-535's remote control to play back the music files in sequence. The CS-535's USB port makes it easy to relay digital files from your computer for playback, or to use your MP3 player as a music source.

### iPod Playback Through the RI Dock for the iPod

The Remote Interactive (RI) system enables Onkyo owners to integrate compatible components for operation via a single remote control. It also enables you to integrate your iPod with the CS-535 through the included Onkyo RI Dock for the iPod. Simply connect the dock to the CD receiver; then place your iPod in the dock for control via the CS-535's remote. The RI Dock has been praised for offering a "heftier and more detailed" sound than can be experienced with an RCA stereo cable.

### Quality Speakers with Proprietary Onkyo Performance Features

Designed to match the CR-535 CD receiver, the accompanying D-035 two-way, bass-reflex speakers incorporate a number of Onkyo speaker developments. The woofer cones, for example, are made from a pure cotton weave we call OMF (Onkyo Micro Fiber). This material effectively absorbs unwanted vibrations while providing the requisite diaphragm stiffness to enable a fast and accurate response. Furthermore, each speaker features a balanced-dome tweeter to deliver high-frequency sounds with greater finesse.



# CS-535 CD Receiver System

## CR-535 CD Receiver

### Amplifier Features

- 20 W/Ch, 4 Ω, 1 kHz, 2 Channels Driven, IEC
- WRAT (Wide Range Amplifier Technology)
- High-Current, Low-Impedance Drive
- Discrete Output Stage Circuitry
- Optimum Gain Volume Circuitry
- Direct Mode
- 2 Audio Inputs and 1 Output
- Subwoofer Pre Out

### CD Player Features

- Plays Audio CDs, MP3s (via USB, CD-R, CD-RW)\* and WMA (via USB)
- VLSC™ (Vector Linear Shaping Circuitry)
- Wolfson® Stereo DAC
- 4 Play Modes for CD (Normal/Memory/Random/Group)
- Navigation Mode for Selecting and Playing MP3 Files Burned to CD-R, CD-RW
- MP3 Settings for Personal Preferences
- Memory Playback (25-Track Programming)
- 2 Repeat Modes (Track/Full)

\*Discs that have not been properly finalized may only be partially playable or not playable at all.

### Tuner & Other Features

- Front Panel USB Interface for Mass Storage Devices
- 4-Mode Timer (Play or Rec/Once or Every)
- Sleep Timer
- Accuclock
- RDS (PS/RT)
- Preset Function with 40 FM/AM/RDS Selections

- Preset Naming (Up to 8 Characters)
- Manual and Automatic FM/AM tuning
- FM Auto Preset
- Tone Control (Bass/Treble)
- Super Bass Function
- Battery-Free Memory Backup
- Aluminum Front Panel and Volume Knob
- FM Indoor Antenna Supplied
- AM Loop Antenna Supplied
- Headphone Jack
- Gold-Plated Banana Plug-Compatible Transparent Speaker Posts
- Compatible with RI (Remote Interactive) Dock for the iPod
- RI (Remote Interactive) Remote Control

## D-035 2-Way Bass Reflex Speakers

- 10 cm OMF Diaphragm Woofer
- 2.5 cm Balanced-Dome Tweeter
- Magnetically Shielded
- Impedance: 4 Ω
- Max. Input Power: 40 W
- Frequency Response: 50 Hz–50 kHz

Speaker cable and cork spacers included.

## DS-AIXP RI Dock for the iPod

- Recharges iPod When Connected to AC Power Supply
- Superior Quality for Digital Music Files
- Compatible with RI Remote Control
- Remote Interactive Functions (Auto Power On, Auto Selector, Time Play/Sleep Timer)

## SPECIFICATIONS

### RECEIVER SECTION

#### AMPLIFIER SECTION

Power Output	20 W + 20 W (4 Ω, 1 kHz, 2 channels driven, IEC)
Dynamic Power	22 W + 22 W (3 Ω) 20 W + 20 W (4 Ω) 14 W + 14 W (8 Ω)
Total Harmonic Distortion	0.4% (1 kHz, 1 W)
Damping Factor	25 (Front, 1 kHz, 8 Ω)
Input Sensitivity and Impedance	150 mV/50 kΩ (Line)
Output Level and Impedance	150 mV/2.2 kΩ (Rec Out)
Frequency Response	10 Hz–100 kHz±3 dB (Line)
Tone Control	±6 dB, 80 Hz (Bass) ±8 dB, 10 kHz (Treble) +7 dB, 80 Hz (Super bass)
Signal-to-Noise Ratio	100 dB (Line, IHF-A)
Speaker Impedance	4 Ω–16 Ω

#### TUNER SECTION

Tuning Frequency Range	
FM	87.5 MHz–108 MHz
AM	522 kHz–1,611 kHz

#### CD PLAYER SECTION

Frequency Response	4 Hz–20 kHz
Audio Dynamic Range	96 dB
Total Harmonic Distortion	0.005%
Wow and Flutter	Below threshold of measurability
Audio Output/Impedance	1.3 V/1 kΩ

#### GENERAL

Power Supply	AC 220–230 V, 50/60 Hz
Power Consumption	65 W
Standby Power Consumption	0.25 W
Dimensions (W x H x D)	205 x 116 x 367 mm
Weight	4.0 kg

### SPEAKER SECTION

Speaker Type	2-way, bass reflex
Drivers	
Woofer	10 cm OMF diaphragm
Tweeter	2.5 cm balanced-dome
Frequency Response	50 Hz–50 kHz
Crossover Frequency	7 kHz
Output Sound Pressure Level	83 dB/W/m
Max. Input Power	40 W
Nominal Impedance	4 Ω

#### GENERAL

Dimensions (W x H x D)	137 x 234 x 230 mm
Weight	2.3 kg

### CARTON

Dimensions (W x H x D)	454 x 540 x 318 mm
Weight	11.3 kg



Due to a policy of continuous product improvement, Onkyo reserves the right to change specifications and appearance without notice. iPod is a trademark of Apple Inc., registered in the U.S. and other countries. "Made for iPod" means that an electronic accessory has been designed to connect specifically to the iPod and has been certified by the developer to meet Apple performance standards. WRAT, VLSC, and OMF are trademarks of Onkyo Corporation. All other trademarks and registered trademarks are the property of their respective holders.

**ONKYO**  
IMAGINATIVE SIGHT & SOUND

Onkyo Corporation 2-1 Nissin-cho, Neyagawa-shi, Osaka 572-8540, JAPAN Tel: +81-72-831-8136 Fax: +81-72-833-5222 <http://www.onkyo.com/>  
Onkyo Europe Electronics GmbH Liegnitzerstrasse 6, 82194 Grobenzell, GERMANY Tel: +49-8142-4401-0 Fax: +49-8142-4401-555 <http://www.eu.onkyo.com/>  
Onkyo UK Office The Coach House, 81A High Street, Marlow, Buckinghamshire SL7 1AB, UNITED KINGDOM Tel: +44(0)1628-473350 Fax: +44(0)1628-401700 <http://www.onkyo.co.uk/>